

# TMLiF-6042P (60V42Ah)

Rechargeable Li-ion Battery-Motive Battery-LFP Series



## Product Features



Cylindrical LFePO<sub>4</sub> cell-32650  
(3.2V 5.0~6.7Ah), higher reliability



Fully replaceable with current batteries  
(Lead-acid, Ni-Cd)



Maintenance free  
50% lighter than lead acid batteries



Longer cycle life  
2000 cycles@100%DOD.



Lithium iron phosphate technology, safe and reliable.



## Product Application



Electric Tricycle



Electric Motorcycle



Water Scooter



Snowmobile



Low-speed EV



Electric Forklift

## Nominal Characteristics

Nominal Voltage	60V
Nominal Capacity (@0.2C)	42Ah (19S7P)
Nominal Energy	2520Wh
Self Discharge Rate	≤3.5% per month
Cycle Life (@25°C,0.2C,100%DOD)	2000 Cycles
Parallel Connected Function	Not supported
Series Connected Function	Not supported

## Charging Specifications

Recommended Charging Voltage	69.35V
Max. Charging Current	15A

## Discharging Specifications

Discharging Cut-off Voltage	47.5V
Max. Discharging Continuous Current	50A
Max. Discharging Peak Current	150A, <3S

# TMLiF-6042P (60V42Ah)

Rechargeable Li-ion Battery-Motive Battery-LFP Series



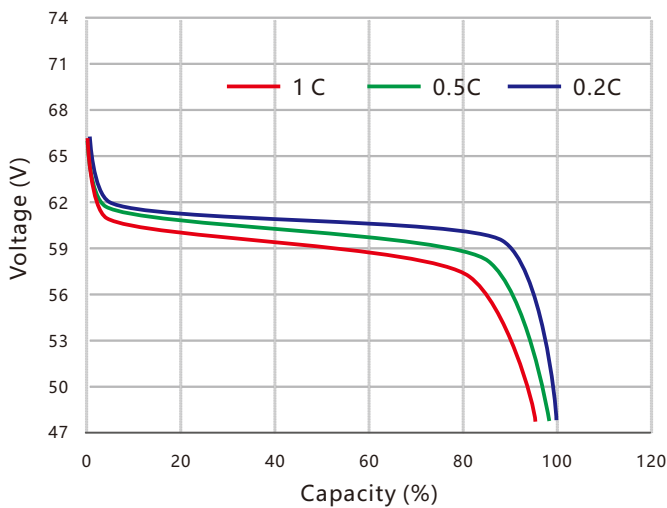
## Mechanical Characteristics

Length	249mm
Width	162mm
Height	365mm
Weight	22Kg

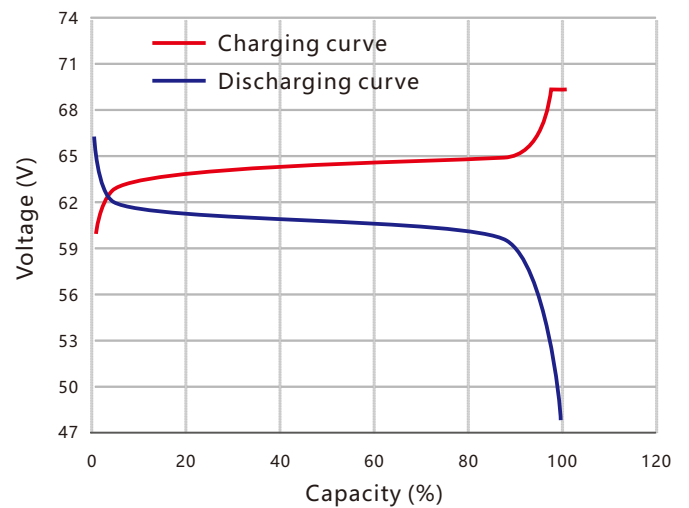
## Operating Conditions

Charge Temperature	0°C~45°C (32°F to 113°F)
Discharge Temperature	-20°C to 60°C (-4°F to 140°F)
Storage Temperature	0°C to 45°C (32°F to 113°F)
Safety Standard	UL 1642 at cell level
Water Dust Resistance	IP65

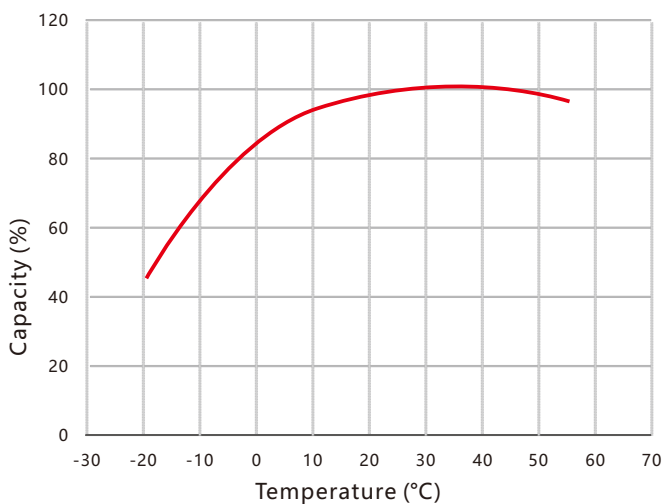
### Rating performance @25°C



### Discharge and charge @25°C, 0.2C



### Capacity under different Temp.



### Cycle life under different Temp.

